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HS
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/468,647

DATE: 07/24/2000
TIME: 13:42:13

Input Set : A:\pto.txt
Output Set: N:\CRF3\07242000\I468647.raw

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3 <110> APPLICANT: Gordon, Robert D.
4 Sprengel, Jorg J.
5 Yon, Jeffrey R.
6 Dijkmans, Josiena J.H.
7 Gosiewska, Anna
8 Dhanaraj, Sridevi N.
9 Xu, Jean
11 <120> TITLE OF INVENTION: Vascular Endothelial Growth Factor-X
13 <130> FILE REFERENCE: B0192/7011
15 <140> CURRENT APPLICATION NUMBER: US 09/468,647
16 <141> CURRENT FILING DATE: 1999-12-21
18 <150> PRIOR APPLICATION NUMBER: GB 9828377.3
19 <151> PRIOR FILING DATE: 1998-12-22
21 <150> PRIOR APPLICATION NUMBER: US 60/124,967
22 <151> PRIOR FILING DATE: 1999-03-18
24 <150> PRIOR APPLICATION NUMBER: US 60/164,131
25 <151> PRIOR FILING DATE: 1999-11-08
27 <160> NUMBER OF SEQ ID NOS: 29
29 <170> SOFTWARE: PatentIn Ver. 2.0
31 <210> SEQ ID NO: 1
32 <211> LENGTH: 323
33 <212> TYPE: PRT
34 <213> ORGANISM: Homo sapiens
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37 Glu Ser Asn Leu Ser Ser Lys Phe Gln Phe Ser Ser Asn Lys Glu Gln
38 1 5 10 15
40 Tyr Gly Val Gln Asp Pro Gln His Glu Arg Ile Ile Thr Val Ser Thr
41 20 25 30
43 Asn Gly Ser Ile His Ser Pro Arg Phe Pro His Thr Tyr Pro Arg Asn
44 35 40 45
46 Thr Val Leu Val Trp Arg Leu Val Ala Val Glu Glu Asn Val Trp Ile
47 50 55 60
49 Gln Leu Thr Phe Asp Glu Arg Phe Gly Leu Glu Asp Pro Glu Asp Asp
50 65 70 75 80
52 Ile Cys Lys Tyr Asp Phe Val Glu Val Glu Glu Pro Ser Asp Gly Thr
53 85 90 95
55 Ile Leu Gly Arg Trp Cys Gly Ser Gly Thr Val Pro Gly Lys Gln Ile
56 100 105 110
58 Ser Lys Gly Asn Gln Ile Arg Ile Arg Phe Val Ser Asp Glu Tyr Phe
59 115 120 125
61 Pro Ser Glu Pro Gly Phe Cys Ile His Tyr Asn Ile Val Met Pro Gln
62 130 135 140
64 Phe Thr Glu Ala Val Ser Pro Ser Val Leu Pro Pro Ser Ala Leu Pro
65 145 150 155 160
67 Leu Asp Leu Leu Asn Ala Ile Thr Ala Phe Ser Thr Leu Glu Asp
68 165 170 175
70 Leu Ile Arg Tyr Leu Glu Pro Glu Arg Trp Gln Leu Asp Leu Glu Asp

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71 180 185 190
73 Leu Tyr Arg Pro Thr Trp Gln Leu Leu Gly Lys Ala Phe Val Phe Gly
74 195 200 205
76 Arg Lys Ser Arg Val Val Asp Leu Asn Leu Leu Thr Glu Glu Val Arg
77 210 215 220
79 Leu Tyr Ser Cys Thr Pro Arg Asn Phe Ser Val Ser Ile Arg Glu Glu
80 225 230 235 240
82 Leu Lys Arg Thr Asp Thr Ile Phe Trp Pro Gly Cys Leu Leu Val Lys
83 245 250 255
85 Arg Cys Gly Gly Asn Cys Ala Cys Cys Leu His Asn Cys Asn Glu Cys
86 260 265 270
88 Gln Cys Val Pro Ser Lys Val Thr Lys Lys Tyr His Glu Val Leu Gln
89 275 280 285
91 Leu Arg Pro Lys Thr Gly Val Arg Gly Leu His Lys Ser Leu Thr Asp
92 290 295 300
94 Val Ala Leu Glu His His Glu Glu Cys Asp Cys Val Cys Arg Gly Ser
95 305 310 315 320
97 Thr Gly Gly
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102 <211> LENGTH: 345
103 <212> TYPE: PRT
104 <213> ORGANISM: Homo sapiens
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108 1 5 10 15
110 Arg Gln Gly Thr Gln Ala Glu Ser Asn Leu Ser Ser Lys Phe Gln Phe
111 20 25 30
113 Ser Ser Asn Lys Glu Gln Tyr Gly Val Gln Asp Pro Gln His Glu Arg
114 35 40 45
116 Ile Ile Thr Val Ser Thr Asn Gly Ser Ile His Ser Pro Arg Phe Pro
117 50 55 60
119 His Thr Tyr Pro Arg Asn Thr Val Leu Val Trp Arg Leu Val Ala Val
120 65 70 75 80
122 Glu Glu Asn Val Trp Ile Gln Leu Thr Phe Asp Glu Arg Phe Gly Leu
123 85 90 95
125 Glu Asp Pro Glu Asp Asp Ile Cys Lys Tyr Asp Phe Val Glu Val Glu
126 100 105 110
128 Glu Pro Ser Asp Gly Thr Ile Leu Gly Arg Trp Cys Gly Ser Gly Thr
129 115 120 125
131 Val Pro Gly Lys Gln Ile Ser Lys Gly Asn Gln Ile Arg Ile Arg Phe
132 130 135 140
134 Val Ser Asp Glu Tyr Phe Pro Ser Glu Pro Gly Phe Cys Ile His Tyr
135 145 150 155 160
137 Asn Ile Val Met Pro Gln Phe Thr Glu Ala Val Ser Pro Ser Val Leu
138 165 170 175
140 Pro Pro Ser Ala Leu Pro Leu Asp Leu Leu Asn Asn Ala Ile Thr Ala
141 180 185 190
143 Phe Ser Thr Leu Glu Asp Leu Ile Arg Tyr Leu Glu Pro Glu Arg Trp
144 195 200 205

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146 Gln Leu Asp Leu Glu Asp Leu Tyr Arg Pro Thr Trp Gln Leu Leu Gly
147 210 215 220
149 Lys Ala Phe Val Phe Gly Arg Lys Ser Arg Val Val Asp Leu Asn Leu
150 225 230 235 240
152 Leu Thr Glu Glu Val Arg Leu Tyr Ser Cys Thr Pro Arg Asn Phe Ser
153 245 250 255
155 Val Ser Ile Arg Glu Glu Leu Lys Arg Thr Asp Thr Ile Phe Trp Pro
156 260 265 270
158 Gly Cys Leu Leu Val Lys Arg Cys Gly Gly Asn Cys Ala Cys Cys Leu
159 275 280 285
161 His Asn Cys Asn Glu Cys Gln Cys Val Pro Ser Lys Val Thr Lys Lys
162 290 295 300
164 Tyr His Glu Val Leu Gln Leu Arg Pro Lys Thr Gly Val Arg Gly Leu
165 305 310 315 320
167 His Lys Ser Leu Thr Asp Val Ala Leu Glu His His Glu Glu Cys Asp
168 325 330 335
170 Cys Val Cys Arg Gly Ser Thr Gly Gly
171 340 345
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176 <212> TYPE: DNA
177 <213> ORGANISM: Homo sapiens
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182 gtacaagatc ctcagcatga gagaattatt actgtgtcta ctaatggaag tattcacagc 180
183 ccaagggttc ctcatactta tccaagaaat acggctcttg tatggagatt agtagcagta 240
184 gaggaataat tatggataca acttacgttt gatgaaagat ttgggcttga agaccagaa 300
185 gatgacatat gcaagtatga tttttagtaa gttgaggaac ccagtgtatg aactatatta 360
186 gggcgctggg gtggttcttg tactgtacca ggaatacaga tttctaaaag aaatcaaatt 420
187 aggataagat ttgtatctga tgaatatttt ccttctgaac cagggttctg catccactac 480
188 aacattgtca tgcacaatt cacagaagct gtgagtcctt cagtgtctacc cccttcagct 540
189 ttgccactgg acctgcttaa taatgctata actgccttta gtaccttgga agaccttatt 600
190 cgatatcttg aaccagagag atggcagttg gacttagaag atctatatag gccaaacttg 660
191 caacttcttg gcaaggcttt tgtttttgga agaaaatcca gagtgggtgga tctgaacctt 720
192 ctaacagagg aggttaagatt atacagctgc acacctcgta acttctcagt gtccataagg 780
193 gaagaactaa agagaaccga taccattttc tggccagggt gtctcctggt taaacgctgt 840
194 ggtgggaact gtgcctgttg tctccacaat tgcaatgaat gtcaatgtgt cccaagcaaa 900
195 gttactaaaa aataccacga ggtccttcag ttgagaccaa agaccgggtg caggggattg 960
196 cacaatacac tcaccgacgt ggccttgagg caccatgagg agtgtgactg tgtgtgcaga 1020
197 gggagcacag gagga
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202 <213> ORGANISM: Artificial Sequence
204 <220> FEATURE:
205 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
207 <400> SEQUENCE: 4
208 aaaatgtatg gatacaactt ac

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219 gtttgatgaa agatttgggc ttg
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262 <400> SEQUENCE: 9 18
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292 <220> FEATURE:
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312 <213> ORGANISM: Artificial Sequence
314 <220> FEATURE:
315 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
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320 <210> SEQ ID NO: 15
321 <211> LENGTH: 31
322 <212> TYPE: DNA
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328 <400> SEQUENCE: 15 31
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340 ggtccagtgg caaagctgaa gg
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343 <211> LENGTH: 29

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VERIFICATION SUMMARY
PATENT APPLICATION: US/09/468,647

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